

7 storing error information of the one of the pixel blocks in each of the at least
8 two frames which are prior to the present frame, in an error memory;

9 storing, in a frame memory, video information of the at least two frames which
10 are prior to a present frame;

11 generating, from the at least two frames, at least two predicted pixel blocks
12 corresponding to a present pixel block in the present frame;

13 judging if one of the at least two predicted pixel blocks corresponds to error
14 information of the at least two frames stored in the error memory; and

15 based on the judging, determining if the one of the at least two predicted pixel
16 blocks is used in reconstructing the present pixel block.

1 16. (Amended) A method for decoding an image signal representing motion
2 and reconstructing video frames of the image signal, the method comprising the steps
3 of:

4 decoding the image signal to define pixel blocks of video frames;

5 generating decoding error maps indicating decoding errors of pixel blocks in
6 each of at least two frames which are prior to a present video frame;

7 storing the decoding error maps in error memory;

8 storing, in a frame memory, video information of the at least two frames which
9 are prior in time to the present video frame;

10 generating, from the at least two frames, at least two predicted pixel blocks
11 corresponding to a present pixel block in the present video frame;

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12 determining if a predicted pixel block includes decoding errors corresponding to
13 decoding errors in either of the at least two frames which are prior to the present
14 frame; and

15 based on the determining, judging if the predicted pixel block is used in
16 reconstructing the present video block.

1 17. (Amended) A decoding apparatus for decoding an image signal
2 representing motion; the decoding apparatus comprising;

3 a decoding device for decoding the image signal to define pixel blocks of video
4 frames;

5 means for detecting decoding errors of the pixel blocks in each of at least two
6 frames which are prior to a present video frame;

7 an error memory for storing decoding error maps of the decoding errors of the
8 pixel blocks in each of the at least two frames which are prior to the present frame;

9 motion compensation means for generating at least two predicted pixel blocks
10 corresponding to a present block in a present video frame; and

11 predicted image selecting means, based on the decoding error maps,
12 determining if the predicted pixel blocks include decoding errors corresponding to
13 decoding errors in either of the at least two frames which are prior to the present
14 frame, and thereby determining use of the predicted pixel blocks in reconstructing the
15 present block.

1 20. (Amended) A decoding apparatus for decoding an image signal
2 representing motion, the image signal being a bit stream of a coded compressed video
3 signal, the decoding apparatus comprising:

4 means for decoding the bit stream for information defining pixel blocks;

5 means for detecting an error in the information of one of the pixel blocks in
6 each of at least two frames which are prior to a present frame;

7 means for storing error information of the one of the pixel blocks in each of the
8 at least two frames which are prior to the present frame;

9 means for storing video information of the at least two frames which are prior
10 to a present frame;

11 means for generating, from the at least two frames, at least two predicted pixel
12 blocks corresponding to a present pixel block in the present frame;

13 means for judging if one of the at least two predicted pixel blocks corresponds to
14 error information of the at least two frames stored in the means for storing; and

15 means for determining if the one of the at least two predicted pixel blocks is
16 used in reconstructing the present block, based on judging of the means for judging.
